



# THE NEWSLETTER OF THE U.S. SECTION, PIANC

## International Navigation Association

Summer 2000

### PIC Becomes AGA

At the final meeting of the Permanent International Commission (PIC), in May the governing body of PIANC adopted a new name and henceforth will be known as the Annual General Assembly (AGA). The word *permanent* has been deleted from the titles of all commissions and committees. The new titles and abbreviations clearly identify the purpose of the commission and committee.

Among other changes introduced, the technical commissions will be expanded into advisory bodies. The 30<sup>th</sup> International Navigation Congress will be organized differently than previous congresses. The Strategic Plan and Action Plan will be completed in the near future. During 1999 five working group reports were published as well as Dredging—The Facts. The revised Membership Directory will be distributed in October 2000. The report of the working group on Seismic Guidelines for Port Structures will be published as a 50-page summary by PIANC. A 300 page volume for world-wide sales will be published by the Coastal Development Institute of Technology of Japan and Balkema Ltd.

The International Cooperation Commission (CoCom) is organizing the 4<sup>th</sup> seminar under its sponsorship which will be held in Buenos Aires, Argentina, from November 20-24, 2000. The seminar is being organized by the Spanish National Section and the local host, the Camara Argentina de Consultores. The call for papers resulted in the submission of 71 abstracts. The seminar will provide a forum for exchanges on the role of maritime and port infrastructure in economic development. In a related matter, discussions have been held on the possible merger of the PIANC CoCom and the Conference on Ports for Developing Countries (COPEDEC).

FORMER NAME AND ABBREVIATION	NEW NAME AND ABBREVIATION
Permanent Technical Committee I (PTC I)	Inland Navigation Commission (InCom)
Permanent Technical Committee II (PTC II)	Maritime Navigation Commission (MarCom)
Permanent Commission for Sport and Recreational Navigation (SRN)	Recreational Navigation Commission (RecCom)
Permanent Committee for Cooperation and Development (PCDC)	International Co-operation Commission (CoCom)
Permanent Environmental Commission (PEC)	Environmental Commission (EnviCom)
Finance Commission	Finance Commission (FinCom)
Editing Commission	Editing Commission (EdCom)
Permanent International Commission (PIC)	Annual General Assembly (AGA)
Council	Council
Executive Committee (ExCom)	Executive Committee (ExCom)

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## 30<sup>th</sup> International Navigation Congress

The 30<sup>th</sup> International Navigation Congress will be held in Sydney, Australia, September 23-27, 2002. A new, shorter format for the congress has been approved by the AGA. The principle of national papers, which has been the organizing feature of past congresses, has been abandoned. There will be a general call for papers, and the number of sessions will be determined by the number of abstracts accepted by the international reviewing committee. Papers not selected for presentation at a session may be accepted for poster sessions. In addition, papers not presented by authors will be transferred to poster sessions. Abstracts of selected papers will be printed and distributed before the Congress. Papers will be published on a CD-ROM and will be distributed at the Congress. The chairman and secretary of each session are charged with organizing the discussion after presentations by authors. The secretary will prepare questions to stimulate discussion. The chairman and secretary will draft conclusions to be submitted at the closing session of the congress.

The calendar of dates for submitting abstracts is:

XX	July	2000	Call for papers
1	January	2001	Deadline for abstracts
31	March	2001	Pre-selection of contributors
1	November	2001	Deadline to receive full text
1	February	2002	Final selection of papers based on full text
1	March	2002	Finalized text ready for publication on CD-ROM

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## International Vice President

Appointments announced at the meeting include selection of Mr. Srikumar Ghosh, Secretary of the Indian Section, and Managing

Director of Consulting Engineering Services, in New Delhi, as an International Vice President. He replaces Mr. Andrea Ferrante of Italy who is retiring.

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## Technical Experts

The Secretariat in Brussels has recognized a need to strengthen the organization by being able to provide quick responses to requests for technical information and to work on longer term projects. Some examples of subjects for consideration are:

- Elaboration of advice/comments to supranational conventions such as the London Convention.
- Updating the conclusions and recommendations of working group reports.
- Providing input for the technical page of the PIANC website.
- Review of technical PIANC publications.
- Assisting with organization of technical aspects of PIANC events.
- Compiling a number of related working group reports into one publication and adding guidance for different kinds of readers.

It is expected that a group of volunteer experts from different countries with different backgrounds would form an international network taking on specific, well-defined tasks. Experts would work for limited periods of time in Brussels or in their own offices. Their work would be coordinated by the general Secretariat and the Executive Committee.

Anyone who would like more information about this opportunity should contact Mr. Louis Van Schel. His e-mail address is: [louis.vanschel@pianc-aipcn.org](mailto:louis.vanschel@pianc-aipcn.org).

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## **Gustave Willems Award**

There has been a decline in the number of papers submitted for the annual Willems Award. A proposal was put forward that the award be made during the Congress years. The members of the PIC voted to continue the Willems Award on an annually. The U.S. Section has received five abstracts from authors for the 2000 competition.

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## **PIANC Breakfast at AAPA Spring Meeting**

In response to an invitation from Mr. Kurt Nagle, President of the American Association of Port Authorities (AAPA), the U. S. Section was host to a breakfast at the annual Spring Conference of the port association. The breakfast was held in Washington, D. C. on Tuesday, March 21, 2000. Mr. Nagle introduced Mr. Ballentine who made remarks about the importance of PIANC, its association with the AAPA and the 98-year's of support provided by the U.S. Army Corps of Engineers. Dr. James F. Johnson was the principal speaker. He serves both as the Chief, Planning Division and Chief, Policy Division at the headquarters of the U. S. Army Corps of Engineers. In his talk, Dr. Johnson emphasized the responsibility of the Corps to bring national water resources needs to the attention of decision makers. As an example he cited the need for improvements such as channel depth and widths which are essential to maintaining a competitive position in international commerce. Concerning this year's appropriation, he noted that 44% goes for ports and inland navigation: \$225 million for harbor construction, \$30 million for studies for potential new port projects and \$730 million for harbor channel maintenance. The FY 2001 request contains a similar proportion for navigation. Dr. Johnson addressed dredged material

management plans, which are prepared by Corps District offices, and include disposal alternatives and the use of dredged material as a resource. Looking to the future, Dr. Johnson commented on development of a strategy for *Marine Transportation System 2020*. The strategy that is being considered in conjunction with a number of other agencies envisions that the U.S. marine transportation system will be the world's most technically advanced, safe, secure, efficient accessible, globally competitive, dynamic and environmentally responsible system for moving goods and people. In closing, as he did at the beginning of his remarks, Dr. Johnson requested the assistance of port and navigation representatives to work with the Corps in accomplishing projects that will benefit all Americans.

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## **U. S. Section Holds Annual Conference at Port of Oakland**

Charles W. Foster, Executive Director of Port of Oakland, made the opening remarks at the 2000 annual meeting in Oakland, California. He talked about the benefits of international trade and projects under construction or being planned for the port. The port's Vision 2000 program includes a -50 foot channel, a joint intermodal rail system, construction of the Hanjin Terminal, reuse of dredged material, redevelopment of the former naval base and environmental issues of air pollution and ballast water. Mr. Foster emphasized that the engineering solutions to construction and dredging are available; but they are in reality political problems. Mr. Foster's remarks were complemented on Friday during the final session on the Port of Oakland - Vision 2000, a panel that was moderated by Thomas H. Daniels, Port of Oakland.



Session 2 – **Strategic Initiatives in the Maritime Industry**, Patrick Gallwey-Port of New Orleans, E. Dan Allen-Port of Long Beach, Moderator, Michael Bennett-Frederic R. Harris, Bill Brose-Smithgroup, JJR and Larry Sullivan-Port of Milwaukee

### **Two Former Commissioners Honored**

The U. S. Section recognized two former Commissioners who were honored at the annual meeting on May 3, 2000, in Oakland, California. Chairman Joseph W. Westphal, Ph.D. designated Colonel Charles R. Roberts USA (Ret.) and the former Director of the Port of Oakland and Mr. Charles F. Connors, former Managing Director of Development and Facilities and Chief Harbor Engineer of the Port of Long Beach as Commissioners Emeritus of the association. Since the Commissioner Emeritus Program was started in 1987 twenty one former Commissioners have recognized for their significant contributions to the organization.





From the left: Mr. Thomas H. Wakeman, III, Commissioner and Eastern Regional Vice President, Colonel Charles R. Roberts and Dr. Joseph W. Westphal, Chairman, U. S. Section. Recognized as Commissioner Emeritus, Colonel Roberts served as a Commissioner from 1986-1993. Colonel Roberts was 2<sup>nd</sup> Lieutenant Wakeman's first commanding officer when he reported for duty at the San Francisco District, USACE.



Mr. Charles F. Connors, who was a member of the U.S. Commissioner from 1989-1997 and served for a number of years as the Co-Principal U.S. Representative to the Permanent Technical Committee II (Deep draft), is pictured receiving the Commissioner Emeritus plaque from Dr. Westphal. At left is Ms. Ellen J. Johnck, Executive Director.

Port presentations included Port Said East, the Millennium Port at the Port of New Orleans and downtown waterfront re-development in Milwaukee, Wisconsin. Opportunities for shipping containers on barges was addressed by representatives from the Port of Pittsburgh (Jim McCarville, Executive Director) and Pat Gallwey, Deputy Executive Director, Port of New Orleans.

Perspectives on shipping both coastal and the Hawaii trade were presented by panels moderated respectively by Anatoly Hochstein, LSU National Ports and Waterways Institute, and Captain Kip Carlson, San Francisco Bay Pilots Association. High Speed Ferry operations in Denmark, Puget Sound and the San Francisco Bay Area were featured in a panel moderated by Tom McCollough, Mofatt and Nichol Engineers.

Session 6 was a summary discussion of innovative dredging technologies. Panelists at the session had taken part on May 2<sup>nd</sup> at the Specialty Workshop on Innovative Sediment Decontamination and Treatment Technologies. The speciality workshop, which was organized by Norm Francingues, U. S. Army Research and Development Center, was held in conjunction with the annual conference of the U.S. Section.

A discussion of financing port infrastructure was led by Richard Walker, U. S. Maritime Administration, followed by a panel on providing surface access which was headed by Michael Britzhoff with the Port of Oakland.

Luncheon speakers were The Honorable Joseph W. Westphal, Assistant Secretary of the Army for Civil Works, and The Honorable Mark T. Harris, Under Secretary of Business, Housing and Transportation, State of California.

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This report is based on notes taken by Captain James H. Blanchar, Chief, Operations Division, USACED, Rock Island

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## **Dr. Westphal Appoints New Commissioner**

Ms. Doris J. Bautch, Chief, Division of Ports, U. S. Department of Transportation, Maritime Administration, is the newest member of the Commission of the U. S. section of PIANC. Dr. Joseph, W. Westphal, Chairman, confirmed the recommendation of the Nominating Committee by appointing Ms. Bautch to a four-year term which began on June 1, 2000.

Ms. Bautch has been with the Maritime Administration since 1989. In her current position she supervises, plans, directs, and coordinates the domestic and international programs, activities and personnel of the Division of Ports. Ms. Bautch serves as the United States delegate to the Organization of American States Inter-American Committee of Ports. She chairs the Technical Advisory Group on Port Security and the Port Training Subcommittee.

Prior to employment with MARAD Ms. Bautch was employed by the Port of Greater Barton Rouge, the Port of New Orleans, Hellenic Lines and the international division of the Pillsbury Company.

Ms. Bautch brings an extensive background of maritime experiences at the national and international levels to her position on the National Commission of the U. S. Section of PIANC.

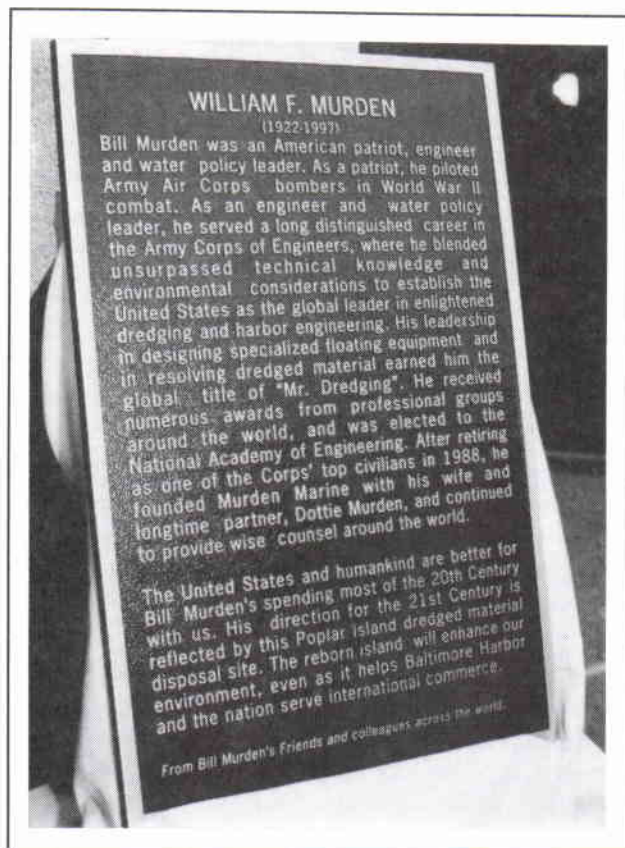
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## Ronald G. Vann Appointed to International Environmental Commission

The Honorable Joseph W. Westphal has appointed Mr. Ronald G. Vann, civil/environmental engineer with the U.S. Army Corps of Engineers, Norfolk District, to serve as the Principal Representative to provide liaison between the U.S. Section and the International Environmental Commission(EnviCom). Mr. Vann succeeds Dr. Roberta Weisbrod who resigned from the position.

Mr. Vann is the Chief of the Waterways and Ports Branch and is responsible for the budget, engineering, environmental analysis and scheduling for the Norfolk District's Civil Works dredging and operations program. His responsibilities include 70 navigation projects and the Craney Island Dredged Material Management Area. His international experience includes serving as a delegate to U.S./Japan meetings on management of toxic sediments and to a U.S./Netherlands meeting of experts on dredging technologies.

As Principal Representative to the EnviCom Mr. Vann will provide liaison between the U.S. Section and representatives from other member nations who are coordinating and evaluating the progress of technical working groups on environmental subjects. Mr. Vann who is widely recognized for his leadership in the field brings both technical knowledge and experience to the PIANC Environmental Commission.



A large number of friends and colleagues of Bill Murden joined his wife, Dottie, to dedicate the memorial which will be located at the Poplar Island Dredged Material Disposal Site in the Chesapeake Bay. The ceremony was held on May 15 at the Humphreys Engineer Center Support Activity outside Alexandria, VA. Mr. Murden, who was known as "Mr. Dredging," retired from the Army Corps of Engineers in 1988. He actively supported PIANC throughout his career, and served as U.S. National Commissioner from 1979 to 1984.

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## PIANC Specialty Workshop Reviews Worldwide Innovative Technologies

The U.S. Section of the International Navigation Association held its first Specialty Workshop, "Innovative Dredged Sediment Decontamination and Treatment Technologies," May 2, 2000, in Oakland, California, as



part of its annual meeting. Approximately 100 people represented the navigation industry, private consulting, environmental regulatory agencies, and academia. The purpose of the workshop was to conduct a critical review of selected technologies available for treating dredged sediments from navigation projects. In addition, the beneficial use potential for each technology was assessed.

Six invited speakers from private industry gave presentations. Two luncheon speakers provided information on technologies used in Europe. Topics covered by the speakers were production of soil washing; flowable fill; stabilization/solidification; blended cement; glass aggregate; and lightweight aggregate from decontamination- and treatment of contaminated dredged sediments. The speakers provided information on their specific technology and explained why it is unique. They also gave information about commercial availability and applicability to large-scale navigation projects. Speakers also talked about beneficial use opportunities and revenue potential from the technology. Logistical and regulatory requirements were discussed, with emphasis placed on site preparation and utility needs, as well as environmental or regulatory barriers to the technology's implementation. Speakers also addressed cost and time estimates. After the presentations, a technical review panel led the workshop in a comparative analysis of technologies and an identification of barriers to technology implementation.

Sponsors included the U.S. Section of PIANC, the U.S. Army Corps of Engineers, New York District, and the Environmental Effects of Dredging Programs of the U.S. Army Research and Development Center, Waterways Experiment Station, Vicksburg, Mississippi. Cooperating organizations were the Western Dredging Association, American Association of Port Authorities, U.S. Environmental Protection

Agency (Region 2), and USEPA Hazardous Substance Research Center (South/Southwestern Region).

Results of the workshop will be reported in the *PIANC International Bulletin* and the *Journal Dredging Engineering* of WEDA, and on the DOER Website under Innovative Technology. Additional information is available from Mr. Norman Francingues at [francin@wes.army.mil](mailto:francin@wes.army.mil).

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### **Environmental Engineer's Paper Wins Honorable Mention at WEDA 2000**

Norman R. Francingues, Jr. Research Civil Engineer, Environmental Laboratory, WES, Vicksburg, MS, and Chairman, Publication Committee of U.S. Section of PIANC, received honorable mention for his paper entitled, "Innovations in Dredging Technology: Equipment, Management and Operations," which was presented at the Western Dredging Association (WEDA) XX Meeting and 32nd Texas A&M Annual Technical Conference, June 26, 2000, in Providence, Rhode Island. The paper addressed advances in innovations in dredging technologies worldwide. Copies of the report upon which the paper was based may be downloaded via the WWW through the DOER Innovative Technologies web site: [www.wes.army.mil/el/dots/doer/reports](http://www.wes.army.mil/el/dots/doer/reports)

POC: Norman R. Francingues, Jr.  
CEERD-EP-D, Tel: 601-634-3703, email:  
[francin@wes.army.mil](mailto:francin@wes.army.mil).



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## **U.S. Army Corps of Engineers Holds Meeting on New Orleans Area Soft Dikes**

*The U.S. Army Corps of Engineers will delay plans to install new soft dike structures on the Mississippi River below Baton Rouge while it studies the impact that those structures will have on river traffic.*

The U.S. Army Corps of Engineers' New Orleans District has kicked off a study of soft dikes on the Mississippi River between New Orleans and Baton Rouge. Specifically, the Corps is studying the impact that the dikes has on river safety and vessel delays. Soft dikes are underwater structures made of large sand-filled bags which help maintain the river channel and reduce dredging costs. Six years ago, the Corps installed the soft dikes at Red Eye Crossing and this year dikes were placed at Medora Crossing. The Corps would like to place soft dikes at four more river crossings.

Ship pilots have been strongly opposed to the Corps' plans, citing safety concerns. American Waterways Operators (AWO) members have not generally opposed the new plans to add additional dikes, recognizing that they may reduce Corps' dredging costs. However, AWO did ask the Corps to study the total effect of the dike system on river traffic, including safety concerns and the potential for delay. Early estimates on the first set of soft dikes indicate that they caused an average delay in upbound traffic of about 15 minutes. If that is an accurate estimate on average delays, delays could be conceivably much longer depending on the tow size or river current. AWO asked the Corps to assess the potential for total lost time delays if the soft dikes are installed at all six locations. In making the request, AWO urged the Corps to view a deep-draft portion of the river as a

complete traffic system rather than a series of unrelated construction projects.

The Corps has agreed and will delay construction of additional soft dikes for at least a year while it studies the systemic effects of the dikes. On March 23, project leaders met with ship pilots and towing industry representatives to outline their study plans. For additional information contact Ken Wells, AWO Southern Region, at (540) 524-3366 or via email at [kwawo@msn.com](mailto:kwawo@msn.com).

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This article was originally published in the March 31, 2000 issue newsletter of the American Waterways Operators.

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## **Atlantic Intracoastal Waterway Association**

The Atlantic Intracoastal Waterway Association (AIWA) is an organization dedicated to encouraging the continuation and further development of waterborne commerce and recreation in the intracoastal waterways of Virginia, North Carolina, South Carolina, Georgia and Florida through the promotion of adequate dredging, safe navigation and maintenance.

The organization, which was established in July 1999, has tug and barge companies, shippers, and recreation users among its members. A user survey is available on the organization website: [atlintracoastal.org](http://atlintracoastal.org).

Discussions are underway between representatives of the AIWA and the U. S. Army Corps of Engineers, South Atlantic Division with regard to conducting a survey of the waterway.

The AIWA will hold its 2nd Annual Conference at the Westin Francis Marion Hotel in Charleston, South Carolina on November 16-17, 2000.

Additional information about the association may be obtained by contacting Ms. Rosemary Lynch, 643 South Washington Street, Alexandria, Virginia 22314. The Telephone number is: 703-837-9629. The E-mail address is: Rosemary@atlintracoastal.org.

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## **Waves 2001**

The Fourth International Symposium on Ocean Wave Measurement and Analysis will be held September 3-5, 2001 at the Hyatt Regency Hotel in San Francisco, California. Professionals, researchers and all interested persons are welcome and encouraged to participate in an exchange of information and views geared to promote communication, technology transfer, improved design, and practical solutions as well as present case histories relating to wave measurement and analysis. The Conference is sponsored by the American Society of Civil Engineers in cooperation with the Coastal Zone Foundation, Marine Technology Society, U. S. Section, PIANC and the Office of Naval Research. Additional information can be obtained at the web site:

< <http://edge.tamu.edu/waves2001>

The First International Symposium on Ocean Wave Measurement and Analysis was held in New Orleans in 1974. Proceedings from the WAVES '74 conference and subsequent conferences have been frequently cited references in the field. The Fourth Ocean Wave Measurement and Analysis Symposium will take place September 3-5, 2001 in San Francisco, California. The conference venue is the Hyatt Regency in the Embarcadero Center. Professional technical papers, poster papers, panels and other events will foster a comprehensive exchange of information and views. In addition to individual papers, proposals for complete topical sessions are also invited.

Prospective authors are invited to visit the web page to see the list of topics the conference will focus upon. An original and four copies of abstracts for WAVES 2001 must be submitted no later than September 1, 2000. Abstracts are limited to two pages, double-spaced, and should include names, titles, affiliations, mailing addresses, telephone numbers, facsimile, and email address of each author and co-author. Facsimile copies will not be accepted; however, abstracts may be emailed to waves@edge.tamu.edu in Microsoft Word or WordPerfect formats. The official language of the conference is English.

Abstracts should summarize the major points of the paper to be presented at the conference. The family or last name of each author and co-author should be underlined. Please indicate the topic from the following list within which your paper best fits. If necessary, you may use another topic not on the list. Please place at the end of the abstract the name of the author who will present the paper at the conference.

The WAVES 2001 Program and Organizing Committee will accept or reject papers based on the information in the abstracts and will assign accepted papers to appropriate sessions. In keeping with the symposium theme, papers may identify or offer solutions to problems, utilize case studies, identify knowledge gaps requiring further studies and collaboration or discuss broader applications and implications of material presented. Accepted papers will be published in a WAVES 2001 Proceedings which will be mailed to the authors after the conference.

Notification of acceptance for paper presentation along with full format and submission instructions including a "Transfer of Copyright Form" will be mailed to authors and co-authors from Conference Headquarters by

December 15, 2000. The final camera-ready paper, completed in full accordance with the instructions, will be required from accepted authors and must be received by December 18, 2001 for printing in the conference proceedings. Scholarship or travel funds are not available for conference attendees. In addition, all participants including authors, chairmen and attendees are required to pay their registration fees.

WAVES 2001  
c/o Prof. Billy L. Edge  
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### Three Life Members Passed Away

Jacob W. Hershey – member since 1968  
Carl R. Lovitt, P.E. -- member since 1957  
Norman Porter – member since 1961

## New Members

The U.S. Section welcomes the following new members since 1 January 2000

### Individual Members

Bautch, Doris J.  
Brooks, Simone  
Calamari, John J.  
Calvino, Mark G.  
Dethloff, Karen H.  
Fuglevand, Paul  
Hayes, Kenneth R.  
Hopper, Mark A.  
Hutchison, Bruce L.  
Johnson, Margaret W.  
Koch, DuWayne A.  
Mazzanti, Jeffry T.  
McCarville, James  
McDonald, James E.  
McRee, Diane  
Miles, William R.  
Natchez, Daniel S.  
Parker, Tim  
Patella, Lawrence  
Pensiero, John  
Playter, Douglas  
Potts, Alan  
Rowcliffe, Jane P.  
Schmeltz, Edward  
Schwabel, Lexie  
Skaggs, Mel  
Spadaro, Philip A.  
Sullivan, Lawrence  
Tanal, Vahan  
Theriot, Russell  
Thompson, Douglas W.  
Warren, Mike

### Corporate Members

Bean Stuyvesant, LLC  
Canaveral Port Authority  
CH2M Hill  
Department of the Navy, NAVFAC  
Hartman Consulting  
J. Simmons Group  
Miami-Dade Seaport  
NYC Economic Development Corp.  
Port of Brownsville  
Port of San Diego  
Port of Stockton  
Taylor Engineering, Inc.  
University of California  
USACED, Great Lakes & Ohio Rivers  
USACED, Mississippi Valley  
USACED, Norfolk  
USACED, North Atlantic  
USACED, Northwestern  
USACED, Pacific Ocean  
USACED, South Atlantic  
USACED, South Pacific  
USACED, Southwestern  
Virginia Port Authority  
Wilder Construction Co.

Welcome New Members

**INSIDE PIANC**

20-24 November 2000

4<sup>th</sup> Seminar of the Permanent Committee  
for Development and Cooperation  
E-mail [encuentro@alatec.es](mailto:encuentro@alatec.es)

Buenos Aires,  
Argentina

29 Apr-2 May 2001

PORTS '01\*  
Norfolk Waterside Marriott Hotel  
And Convention Center  
Theme: America's Ports – Gateway to  
The Global Economy

Norfolk, VA

23-27 Sept 2002

30<sup>th</sup> International Navigation Congress\*

Sydney, Australia

\*To have your named placed on list to receive additional  
information E-mail [Maryjane.robertson@usace.army.mil](mailto:Maryjane.robertson@usace.army.mil) or  
fax at 703 428-8171

**OUTSIDE PIANC**

27-29 September 2000

National Waterways Conference, Inc.  
"The Environment, the Economy and Quality  
Of Life: The Case for Reinvestment in  
America's Waterways"  
Hyatt Regency at St. Louis Union Station  
POC NWC Tel: 202 296-4415 Fax: 202 835-3861

St. Louis, MO

11-13 October 2000

Docks and Marinas 2000  
University of Wisconsin – Madison  
Engineering Registratrion, Dept 107  
The Pyle Center, 702 Langdon Street  
Madison, Wisconsin 53706  
Tel: 600 462-0876 Fax: 800 442-4214  
<http://epd.engr.wisc.edu/brochures/9418.html>

Madison, Wisconsin

18-20 October 2000

Gulf Intracoastal Canal Association  
2000 Convention  
Sheraton Fiesta Hotel  
South Padre Island, TX  
POC: GICA, New Orleans, LA  
Tel: 504 586-1473 Fax: 504 586-1634  
E-mail: [GIWW@email.msn.com](mailto:GIWW@email.msn.com)

South Padre Island, TX

25-27 October 2000

Expo Maritima Mercosur  
Centro Costa Salguero  
Buenos Aires, Argentina  
In USA & Europe fax to: 207 842-5503  
[www.expomaritima.com](http://www.expomaritima.com)

Buenos Aires, Argentina

16-17 November 2000

2nd Annual Conference  
Atlantic Intracoastal Waterway Association  
POC: Rosemary Lynch  
Tel: 703 837-9629  
E-mail: [rosemary@atlintracoastal.org](mailto:rosemary@atlintracoastal.org)

Charleston, SC